

Jessica M. Smith

University of Georgia

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EDUCATION

Doctor of Philosophy
Expected May 2017
Status: Pre-Doctoral Candidate

University of Georgia
Neuroscience, Biomedical and Health Sciences Institute
GPA: 3.86 Overall

Bachelor of Art
May 2012

Bloomsburg University, PA
Psychology
GPA: 3.99 Overall/ 4.0 Major

LABORATORY EXPERIENCE

04/13 – Present
University of Georgia
Lab Member

Primary Investigator: Dr. Phillip V. Holmes
Focus: Behavioral Neuropharmacology

01/13 – 04/13
University of Georgia
Laboratory Rotation

Primary Investigator: Dr. John J. Wagner
Focus: Neurophysiology and Pharmacology

08/12 – 01/13
University of Georgia
Laboratory Rotation

Primary Investigator: Dr. Brian W. Haas
Focus: Genetic and Neural Correlates of Social Behavior

05/11 – 08/11
Bloomsburg University
Research Assistant

Primary Investigator: Dr. Eric M. Stouffer
Focus: Learning and Memory

05/10 – 06/10
Bloomsburg University
Research Assistant

Primary Investigator: Dr. Amy Covill
Focus: Application of Psychology to Teaching and Learning

RESEARCH PUBLICATIONS

2. Haas, B. W., Anderson, I. W., & **Smith, J. M.** Neurogenetics of cooperation: A case for the oxytocin receptor gene (OXTR) and the neural basis of cooperation. *Submitted for Publication.*
 1. **Smith, J. M.**, & Stouffer, E. M. (2013). Concord grape juice reverses the age-related impairment in latent learning in rats. *Nutritional Neuroscience.*
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CONFERENCE PRESENTATIONS

5. **Smith, J. M.**, Sciolino, N. R., Stranahan, A. M., & Holmes, P. V. (2013). Galanin and exercise block stress-induced reductions in prefrontal cortical dendritic spine density. Poster, Galanin Pre-SFN Meeting, San Diego, CA.
 4. Sciolino, N. R., **Smith, J. M.**, Brewer, N., Walker, G. D., Freeman, K. G., Edwards, G. L., Weinshenker, D., & Holmes, P. V. (2013). Galanin and exercise confer behavioral resilience to stress and attenuate dopamine overflow in the frontal cortex. Poster, Society for Neuroscience, San Diego, CA.
 3. **Smith, J. M.**, Sciolino, N. R., Stranahan, A. M., & Holmes, P. V. (2013). Galanin and exercise block stress-induced reductions in prefrontal cortical dendritic spine density. Poster, Southern Translational Education and Research Conference, Augusta, GA.
 2. Stouffer, E. M., Barry, J. L., & **Smith, J. M.** (2012). The roles of endogenous and exogenous antioxidants in the onset and reversal of the middle age impairment in latent learning in rats. Poster, Society for Neuroscience, New Orleans, LA.
 1. **Smith, J. M.**, & Stouffer, E. M. (2012). Reversal of the middle-age related impairments in latent learning using Concord grape juice. Poster, Eastern Psychological Association, Philadelphia, PA. _____
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TEACHING EXPERIENCE

Teaching Assistant
08/11 – 05/12

General Psychology
Instructor: Dr. Brett Beck, Bloomsburg University, Bloomsburg, PA

Instructor
08/2011 – 05/12

GRE Preparation Program
Supervisor: Dr. Jennifer Johnson, Bloomsburg University, Bloomsburg, PA

HONORS AND AWARDS

Ph.D. Scholars of Excellence Fellowship (\$38,000), University of Georgia, Athens, GA, 2012 - 2014
Top Honor Graduate of the College of Liberal Arts, Bloomsburg University, Bloomsburg, PA, 2012
Distinguished Student in Psychology, Bloomsburg University, Bloomsburg, PA, 2012
Ellen Barker Memorial Scholarship, Bloomsburg University, Bloomsburg, PA, 2011

CERTIFICATIONS

Advanced Radiation Worker, Environmental Safety Division, University of Georgia, 2013
Working with the Laboratory Rat, Responsible Care & Use of Laboratory Animals Certification, 2013
Post-Procedure Care of Mice and Rats in Research: Minimizing Pain and Distress, Responsible Care & Use of Laboratory Animals Certification, 2013
Staying Healthy while Working with Laboratory Animals, Responsible Care & Use of Laboratory Animals Certification, 2012

SCIENTIFIC ASSOCIATIONS

Society for Neuroscience (SFN), 2012 - Present
Phi Kappa Phi, Initiated April 2011
Eastern Psychological Association, 2011
Psi Chi, 2010 - Present

GRADUATE COURSEWORK

Neurophysiology, neural development, neuroscience journal seminar (3 semesters) psychopharmacology, responsible science, introduction to MRI physics, biological foundations of behavior, advanced experimental psychology (statistics II), applied regression

RESEARCH SKILLS

Stereotaxic brain surgery in rodents, behavioral pharmacology, *in situ* hybridization, densitometry, microinjections, gross brain dissections, cryostat sectioning, vibratome sectioning, enzyme-linked immunosorbent assay, golgi-cox impregnation, light microscopy (some), dendritic spine quantification, rodent behavioral testing, electrophysiology (limited experience)

PROFESSIONAL EXPERIENCE

Acute Partial Hospitalization Program, Internship, Sunbury, PA, 2011
Danville State Hospital, Volunteer, Danville, PA, 2010
